

S6BP202A7FST2B000



**Part Number:** [S6BP202A7FST2B000](#)

**Manufacturer:** [Cypress Semiconductor](#)

**Description:** IC REG BCK BST 5.2V 2.4A 16TSSOP

**Data sheet:**  [S6BP202A](#)

**RoHs Status:** Lead free / RoHS Compliant

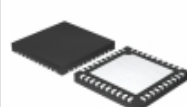
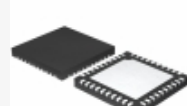
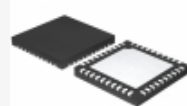
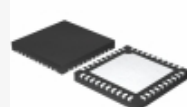
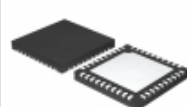
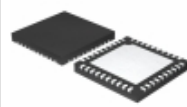
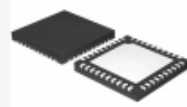
**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                |                                 |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                               | S6BP202A7FST2B000                              | Manufacturer                    | <a href="#">Cypress Semiconductor</a>                                                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                               | IC REG BCK BST 5.2V 2.4A 16TSSOP               | Lead Free Status / RoHS Status  | Lead free / RoHS Compliant                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 22309 pcs                                      | Data sheet                      | <a href="#">S6BP202A</a>                                                                                        |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <a href="#">Integrated Circuits (ICs)</a>      | Voltage - Output (Min/Fixed)    | 5.2V                                                                                                            |
| Voltage - Output (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                              | Voltage - Input (Min)           | 2.5V                                                                                                            |
| Voltage - Input (Max)                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 42V                                            | Topology                        | Buck-Boost                                                                                                      |
| Synchronous Rectifier                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Yes                                            | Supplier Device Package         | 16-TSSOP                                                                                                        |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Automotive, AEC-Q100                           | Packaging                       | Tape & Reel (TR)                                                                                                |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 16-TSSOP (0.173", 4.40mm Width)<br>Exposed Pad | Output Type                     | Fixed                                                                                                           |
| Output Configuration                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Positive                                       | Operating Temperature           | -40°C ~ 125°C (TA)                                                                                              |
| Number of Outputs                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1                                              | Mounting Type                   | Surface Mount                                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 (168 Hours)                                  | Manufacturer Standard Lead Time | 22 Weeks                                                                                                        |
| Lead Free Status / RoHS Status                                                                                                                                                                                                                                                                                                                                                                                                                                            | Lead free / RoHS Compliant                     | Function                        | Step-Up/Step-Down                                                                                               |
| Frequency - Switching                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 200kHz ~ 2.1MHz                                | Detailed Description            | Buck-Boost Switching Regulator IC Positive Fixed 5.2V 1 Output 2.4A 16-TSSOP (0.173", 4.40mm Width) Exposed Pad |
| Current - Output                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.4A                                           |                                 |                                                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                              |                                                      |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------|----------------|
|  | Part#: <a href="#">S6BP202A4FST2B000</a><br>Description: IC REG BCK BST 5.1V 2.4A 16TSSOP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AL2SN1B000</a><br>Description: ANALOG                              | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6B-ZR-SM3A-TF</a><br>Description: CONN HEADER ZH SIDE 6POS 1.5MM         | Manufacturers: <a href="#">JST</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">S6B-ZR-SM4A-TF(LF)(SN)</a><br>Description: CONN HEADER ZH SIDE 6POS 1.5MM | Manufacturers: <a href="#">JST</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP201A4AST2B000</a><br>Description: IC REG BUCK BST 5.1V 1A 16TSSOP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6B-ZR-SM2-TF(LF)(SN)</a><br>Description: CONN HEADER ZH SMT 6POS 1.5MM   | Manufacturers: <a href="#">JST</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AJ0SN1B000</a><br>Description: IC REG 6OUT BUCK/LDO 40QFN          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP203A8FST2B000</a><br>Description: IC REG BCK BST 3.3V 2.4A 16TSSOP    | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AJ1SN1B000</a><br>Description: IC REG 6OUT BUCK/LDO 40QFN          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AE0SN1B000</a><br>Description: IC REG 6OUT BUCK/LDO 40QFN          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP202A1GST2B000</a><br>Description: IC REG BUCK BST 5V 2.4A 16TSSOP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AB1SN1B000</a><br>Description: IC REG 6OUT BUCK/LDO 40QFN          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP202A1FST2B000</a><br>Description: IC REG BUCK BST 5V 2.4A 16TSSOP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AL0SN1B000</a><br>Description: IC REG 6OUT BUCK/LDO 40QFN          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AJ2SN1B000</a><br>Description: IC REG 6OUT BUCK/LDO 40QFN          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP201A1AST2B000</a><br>Description: IC REG BUCK BOOST 5V 1A 16TSSOP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP201A7AST2B000</a><br>Description: IC REG BUCK BST 5.2V 1A 16TSSOP     | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6B-ZR-3.4(LF)(SN)</a><br>Description: CONN HEADER ZH SIDE 6POS 1.5MM     | Manufacturers: <a href="#">JST</a>                   | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AE1SN1B000</a><br>Description: IC REG 6OUT BUCK/LDO 40QFN          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |
|  | Part#: <a href="#">S6BP401AL1SN1B000</a><br>Description: IC REG 6OUT BUCK/LDO 40QFN          | Manufacturers: <a href="#">Cypress Semiconductor</a> | <div>RFQ</div> |

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